

PERFORMANCE DATA

SABRE 52 EXPRESS, AA-0018 - Twin Volvo-Penta IPS2-900 (D11-700mHp)

NOTE: SOUND LEVELS UPDATED 05/20/10

	RPM	Speed (kts.)	Fuel Consumption (gph)	Economy (nm/gal.)	Range (nm)	Engine Load %	Sound Level (dBA)	
							Helm	Aft Cockpit
Idle	600	6.6	2.2	3.00	1890	25	65	
	800	8.3	4.6	1.80	1137	27	63	
	1000	9.7	8.1	1.20	754	33	64	
	1200	11.0	14.0	0.79	495	39	68	
	1400	13.4	20.0	0.67	422	47	72	80
	1600	17.6	27.0	0.65	411	55	70	84
	1800	21.7	33.0	0.66	414	61	74	83
	2000	25.3	40.0	0.63	398	66	74	82
	2150	27.9	48.0	0.58	366	75	75	
	2200	29.1	50.0	0.58	367	78	76	81
	2300	30.4	54.0	0.56	355	82	75	82
	2350	31.3	58.0	0.54	340	87	82	
WOT	2410	32.7	63.0	0.52	327	93	82	83

Accelerations	15kts.	20kts.	25kts.	30kts.
Time -to- Speed: (s)	6	8	10	16
Time -to- Plane: (s)	6			

Notes: Based on performance measured 12/04/2009 w/ 7 crew (~1400lbs.), 100% fuel (700gal.), 100% water (120gal.), 25% waste (20gal.) with ~100lbs. of tools., no owner's gear, & 250ft. of 3/8" anchor chain.
 Seas: calm. Sea water temp.: 48deg. F.
 Ambient air temp.: 51deg. F. Winds: light ~5kts or less, under sunny skies.
 Speed measured by GPS. Average of reciprocal runs in Casco Bay, Portland, ME. **with Humphree trim system optimized.**
 Engines: 2/ea. Volvo-Penta D11 (700-mhp @ 2350 rpm) with Volvo-Penta IPS2 pod drives.
 Propellers: Volvo-Penta P3 propeller set (dual, counter-rotating)
 Fuel Consumption calculated by Volvo-Penta engine software.
 Range based on 90% of 700gal. fuel capacity.
 Recommended maximum continuous cruise speed is @ 10% below WOT or ~ 2150rpm. (27.9kts, burning 48gph)
 Performance data is subject to change depending on tankage, temperature and other factors.

Sabre 52 Salon Express w/ Volvo Penta IPS2-900 (AA-0018)
SPEED & FUEL CONSUMPTION

